

FIG. 1

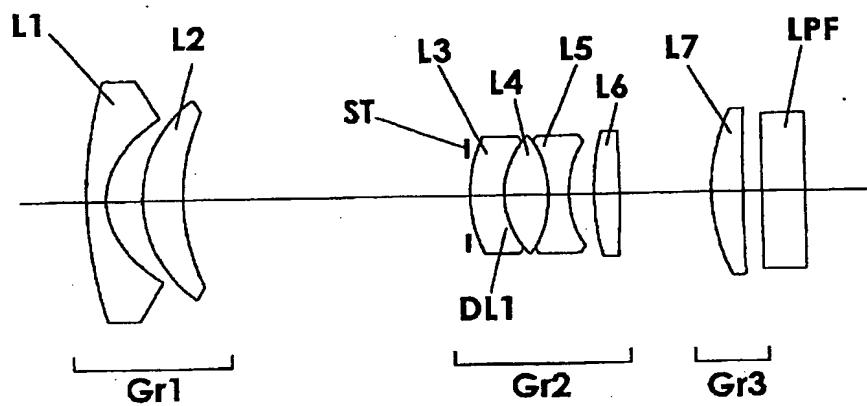
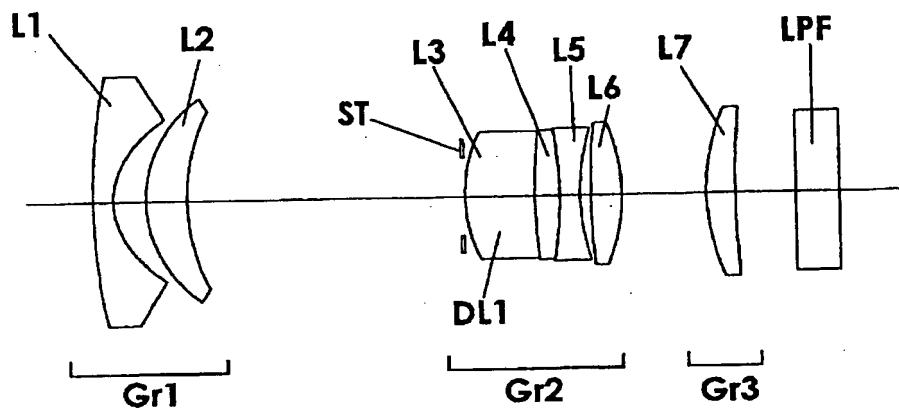
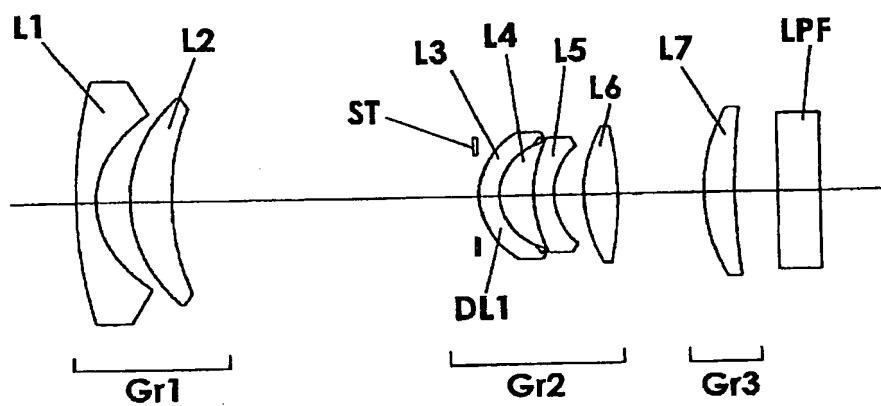


FIG. 2



**FIG. 3**



**FIG. 4**

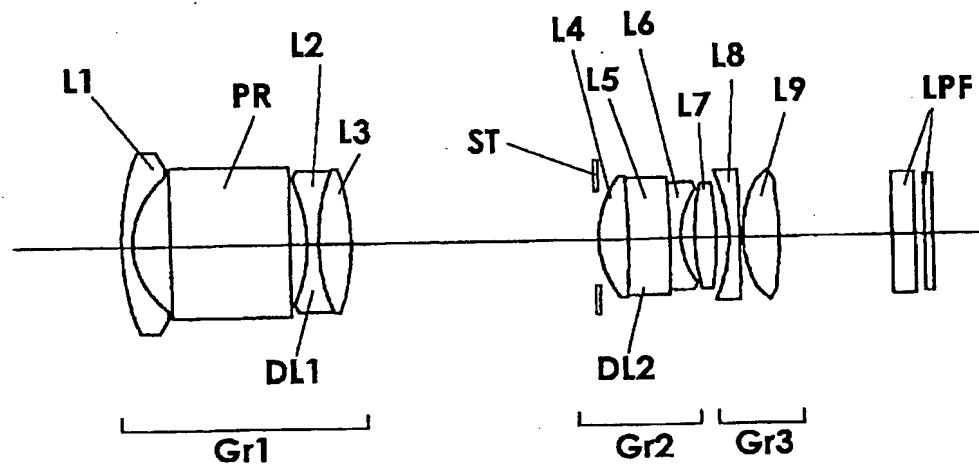


FIG. 5

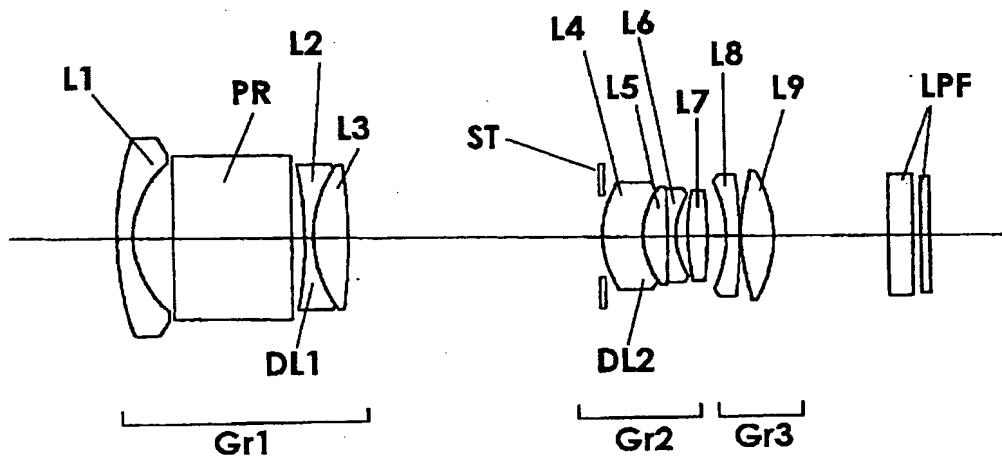


FIG. 6

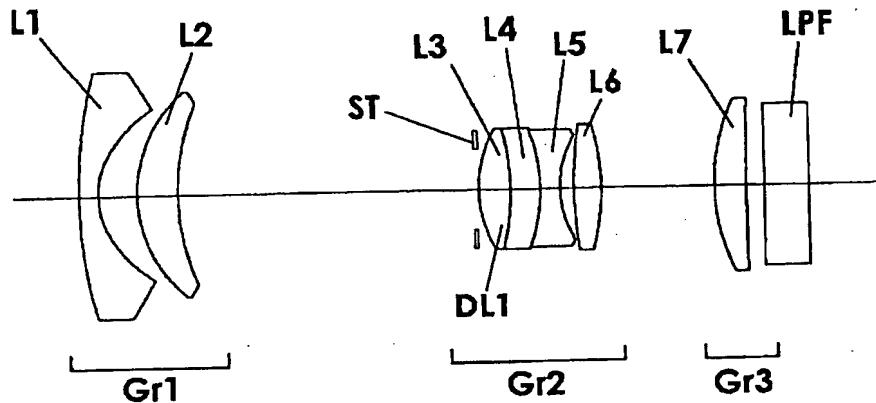


FIG. 7

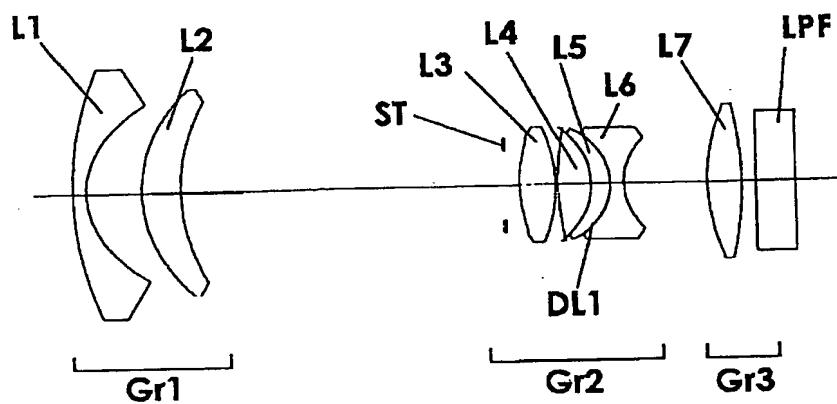


FIG. 8

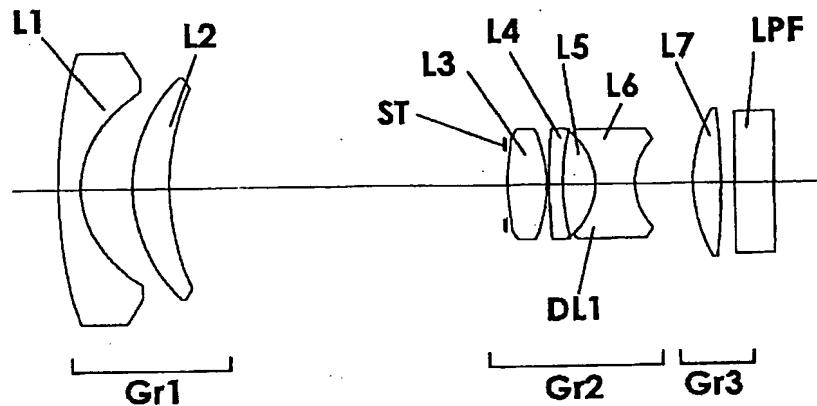


FIG. 9

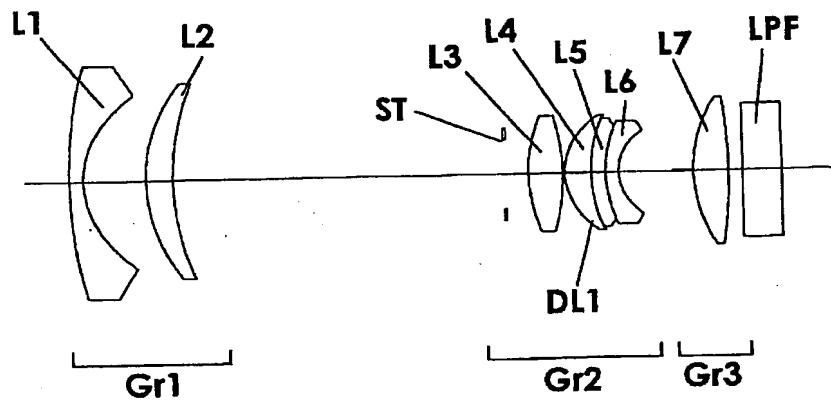
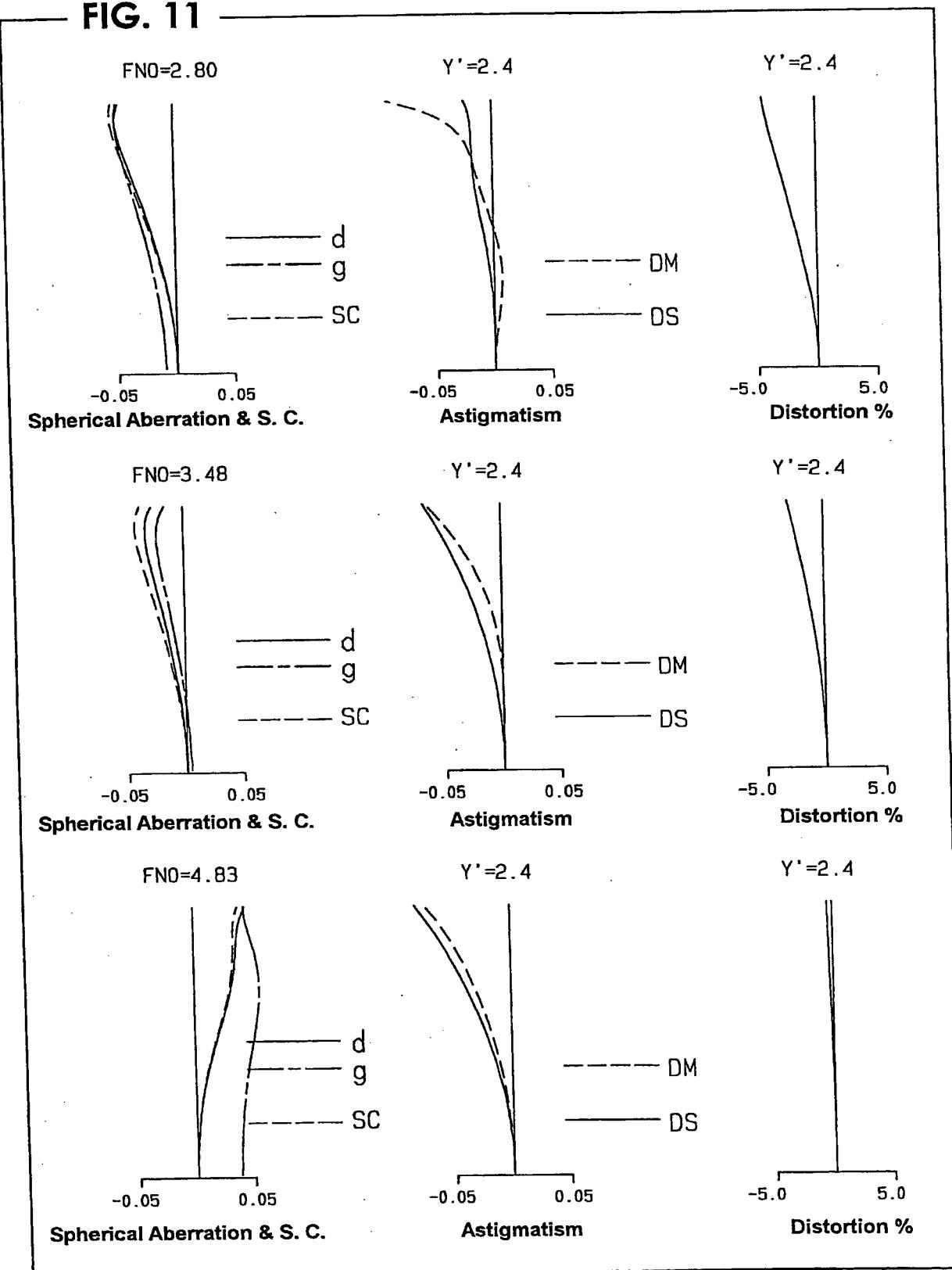
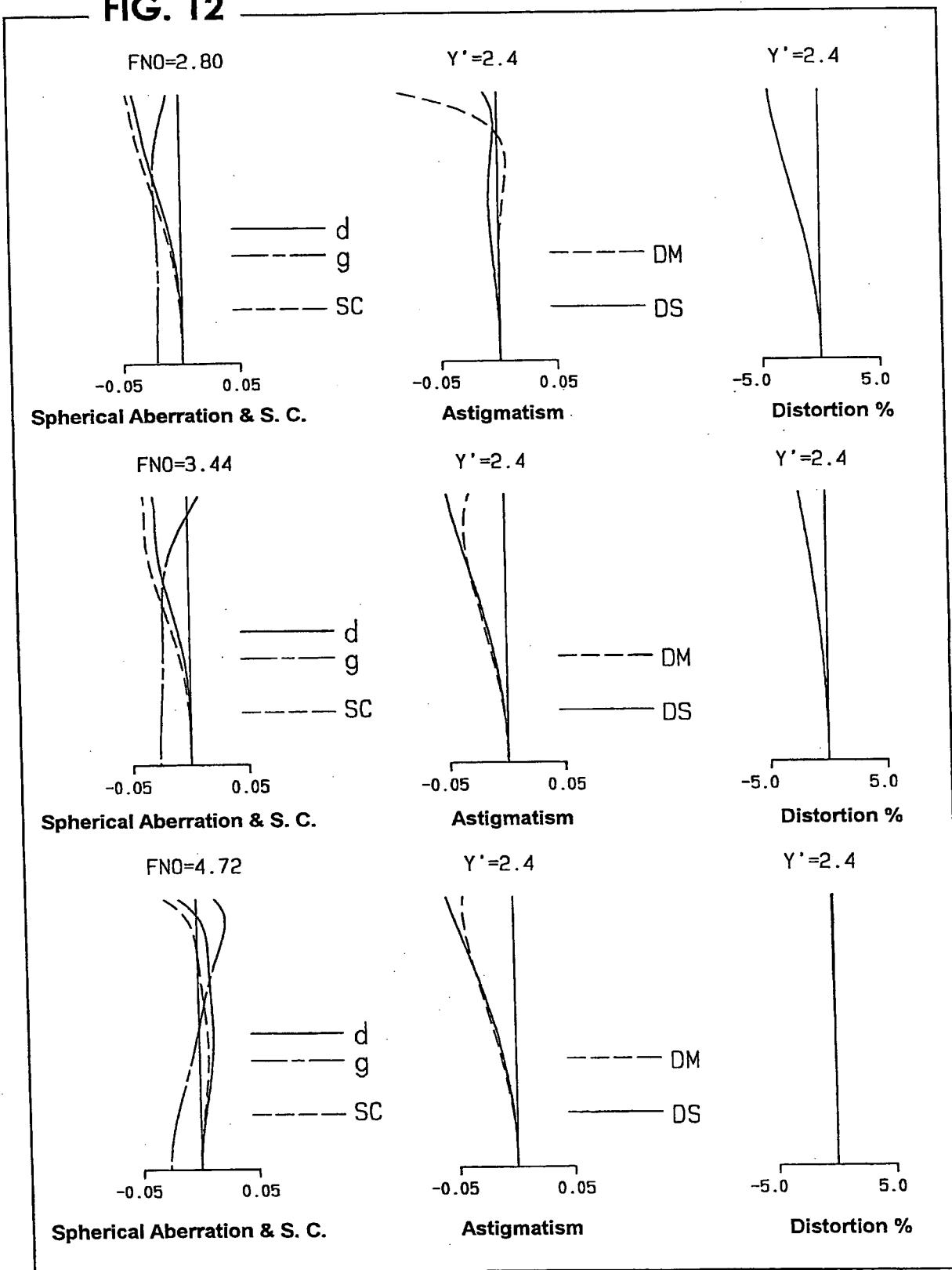


FIG. 10

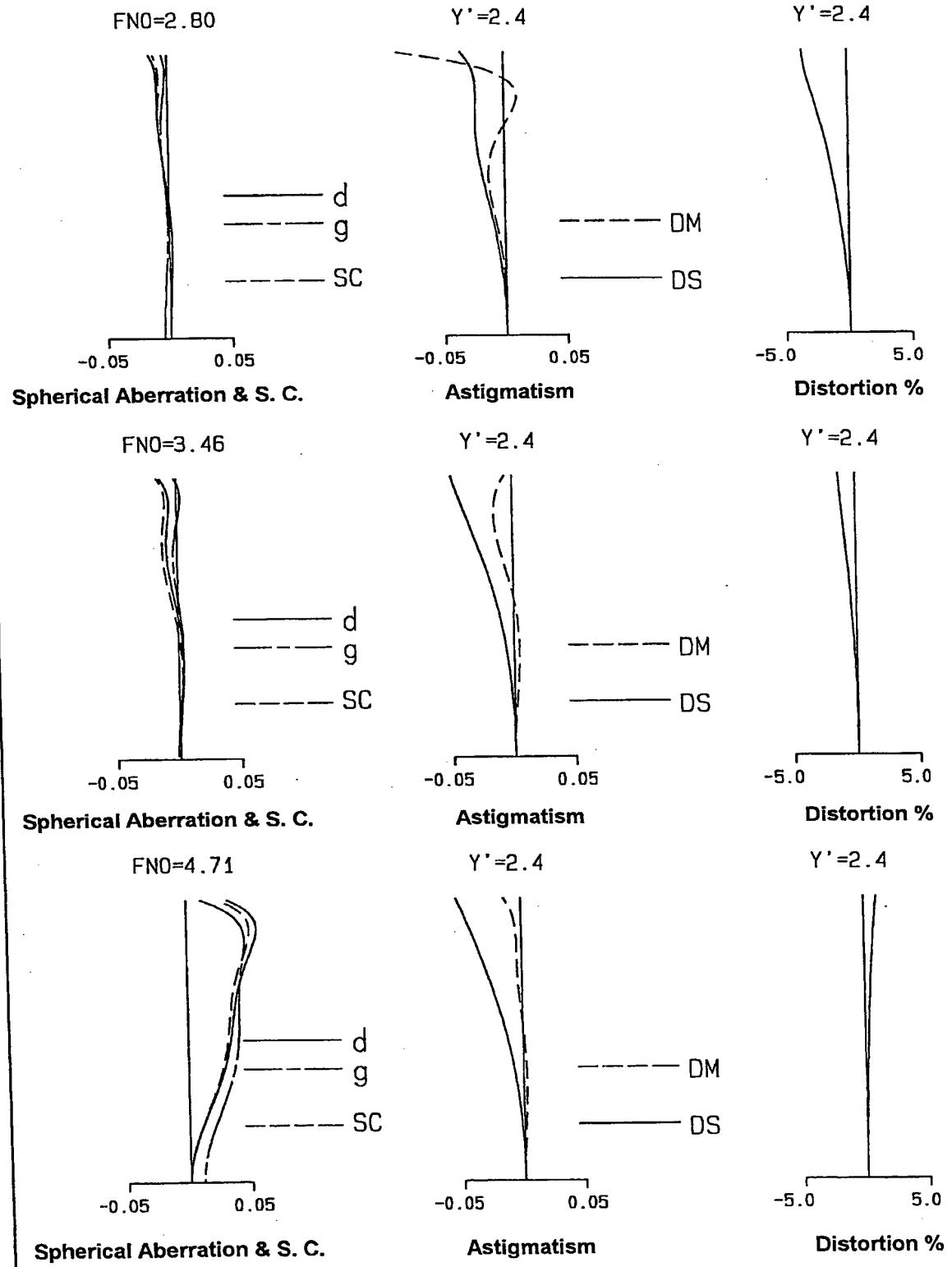
**FIG. 11**



**FIG. 12**

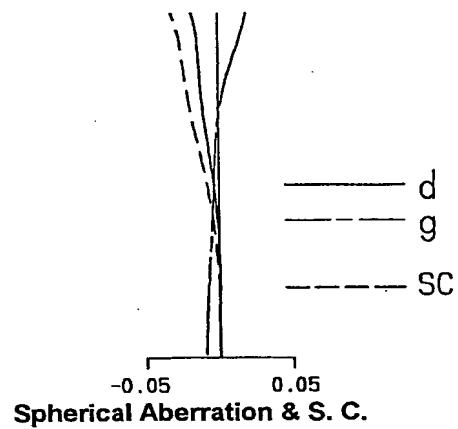


**FIG. 13**

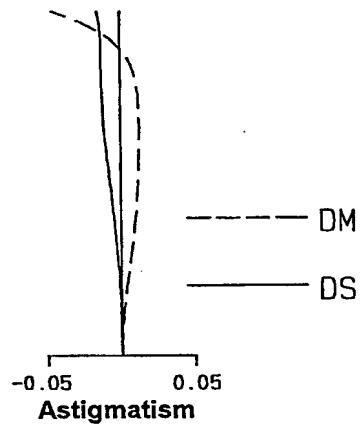


**FIG. 14**

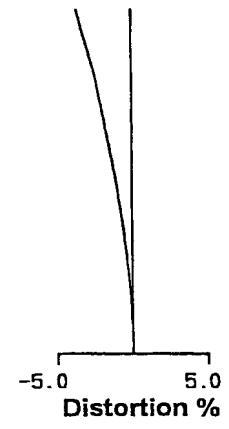
FNO=2.80



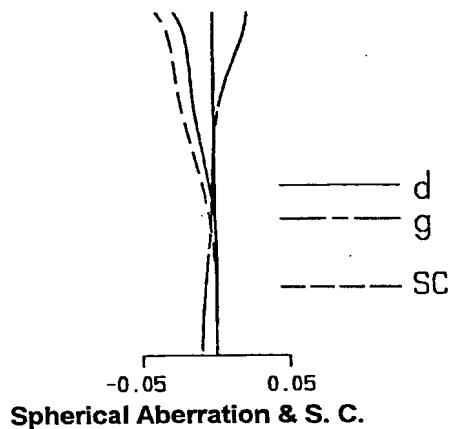
$\gamma' = 2.4$



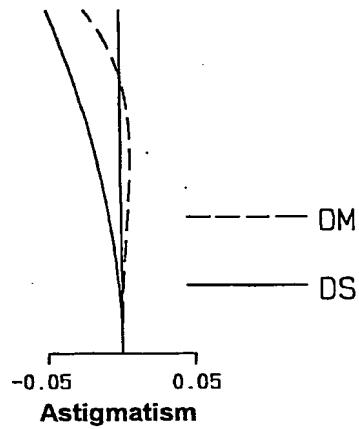
$\gamma' = 2.4$



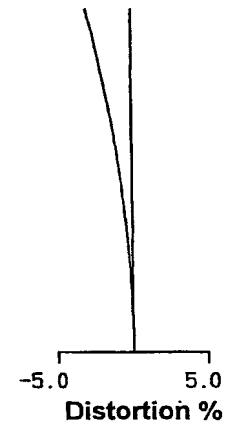
FNO=3.50



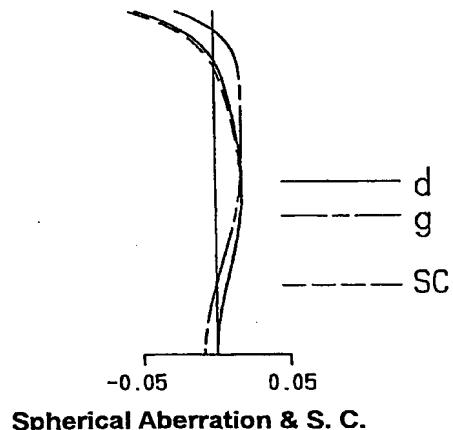
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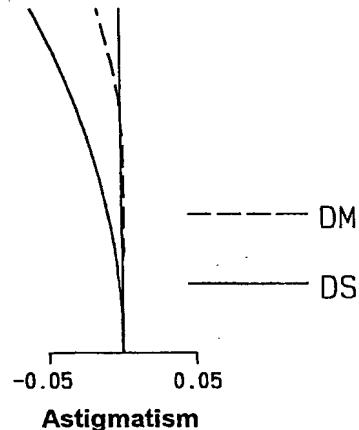
$\gamma' = 2.4$



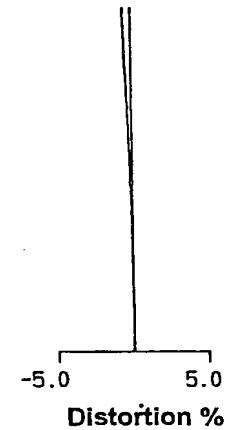
FNO=4.82



$\gamma' = 2.4$

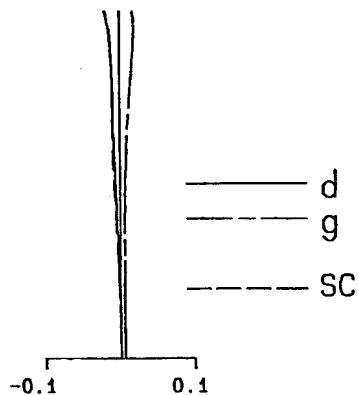


$\gamma' = 2.4$

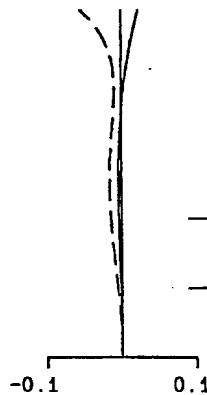


**FIG. 15**

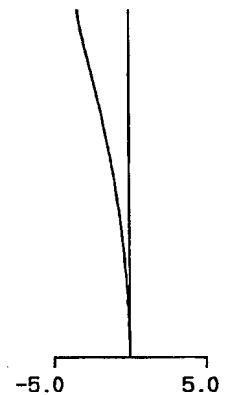
FNO=2.40



$Y' = 3.0$

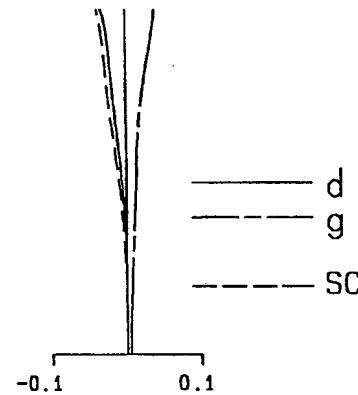


$Y' = 3.0$

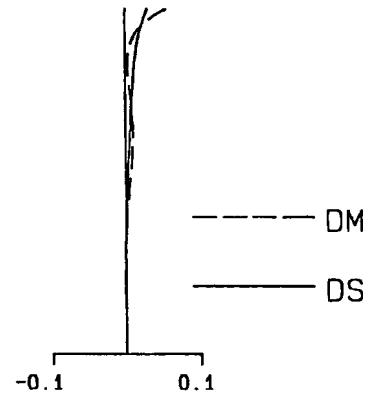


Spherical Aberration & S. C.

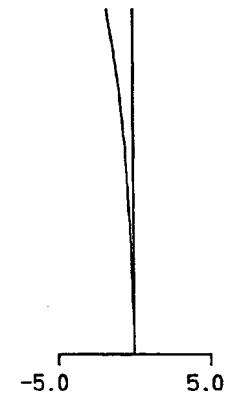
FNO=3.48



$Y' = 3.0$

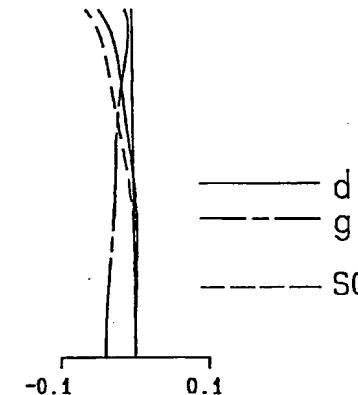


$Y' = 3.0$

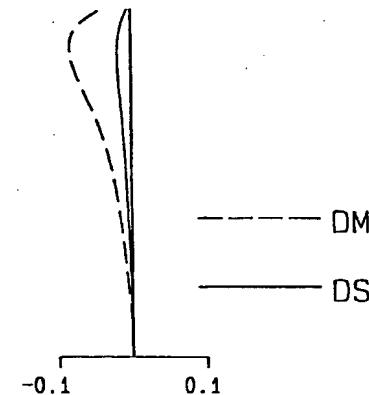


Spherical Aberration & S. C.

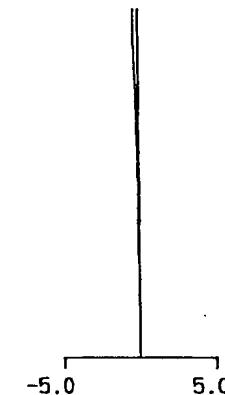
FNO=4.88



$Y' = 3.0$



$Y' = 3.0$

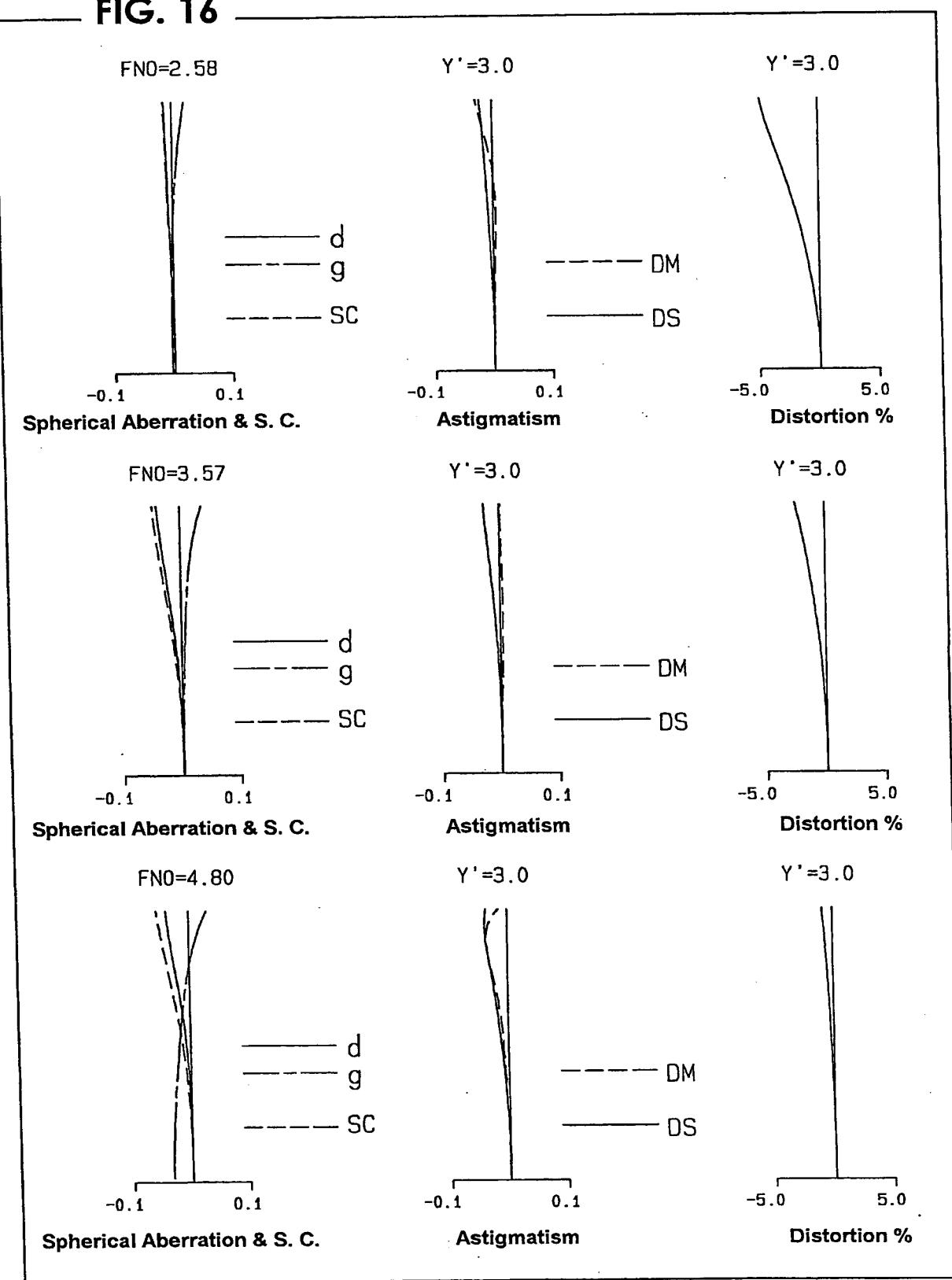


Spherical Aberration & S. C.

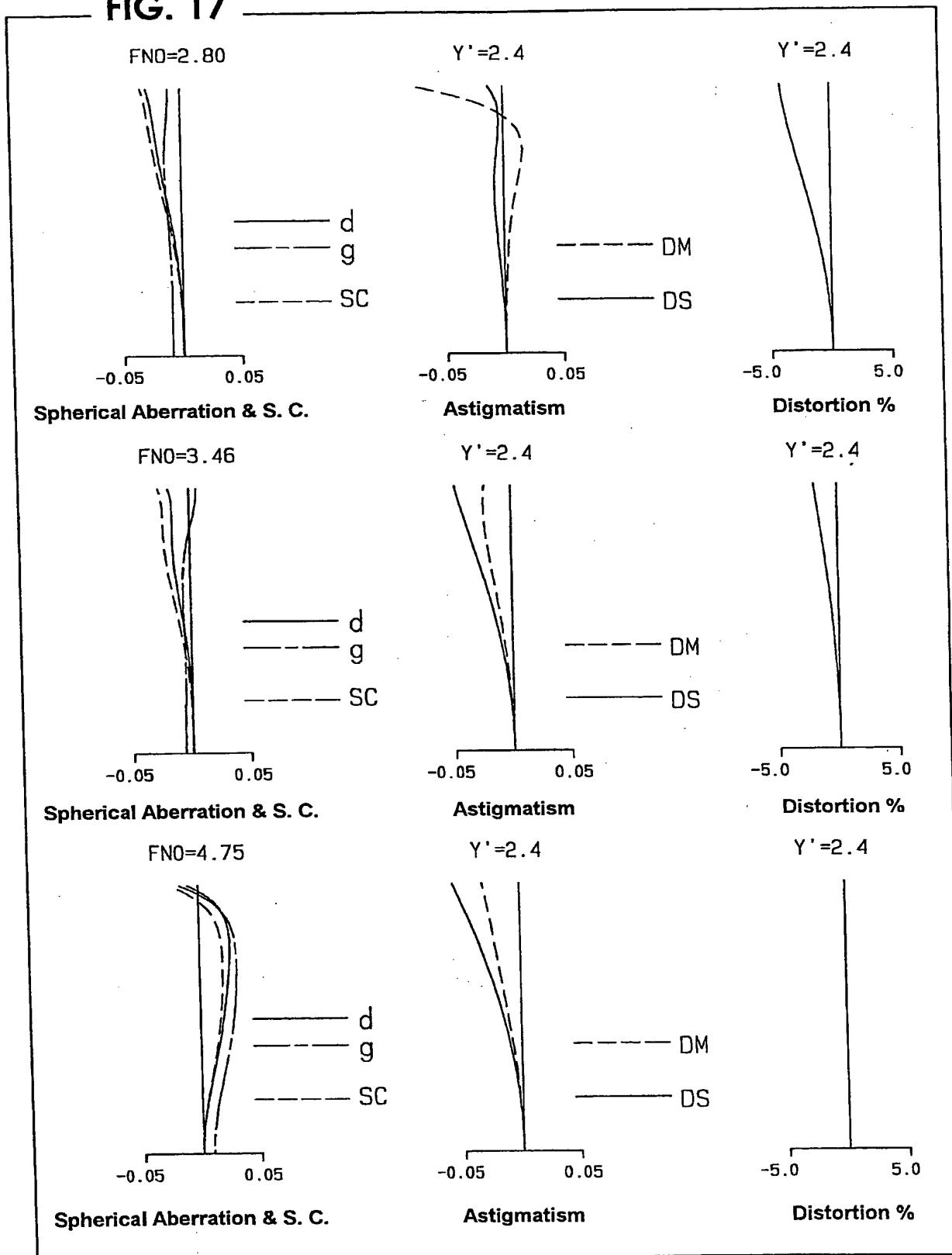
Astigmatism

Distortion %

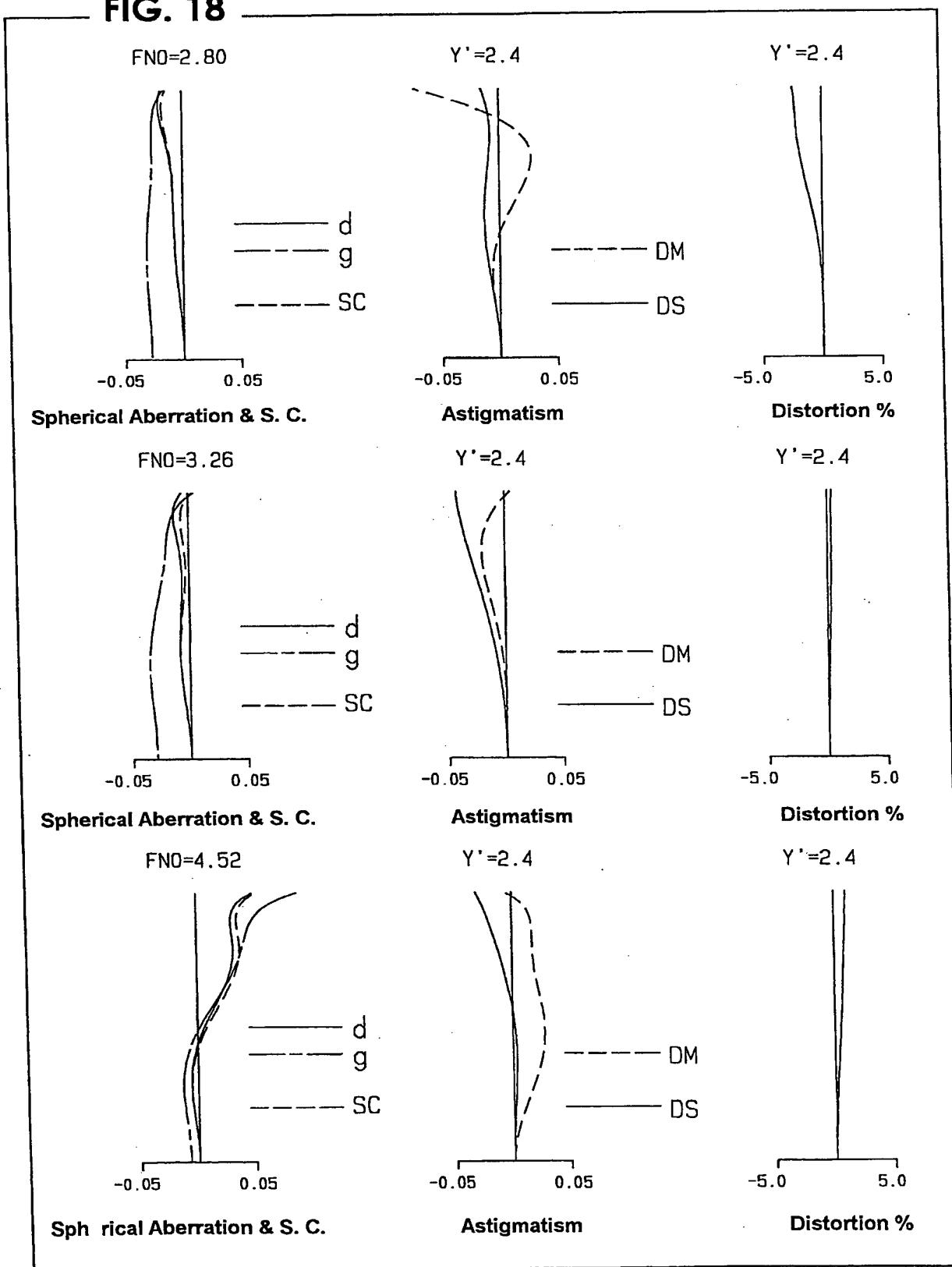
**FIG. 16**



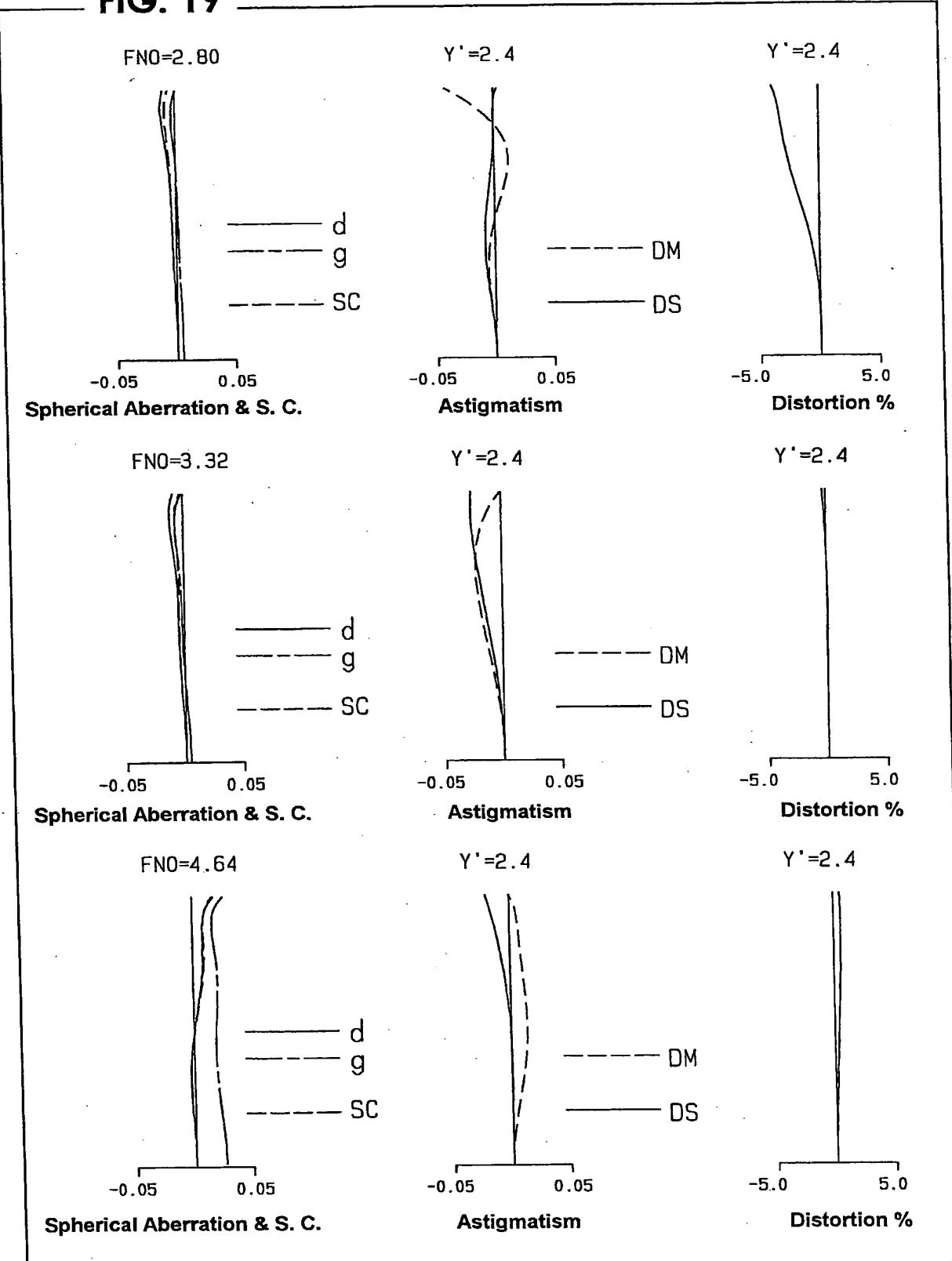
**FIG. 17**



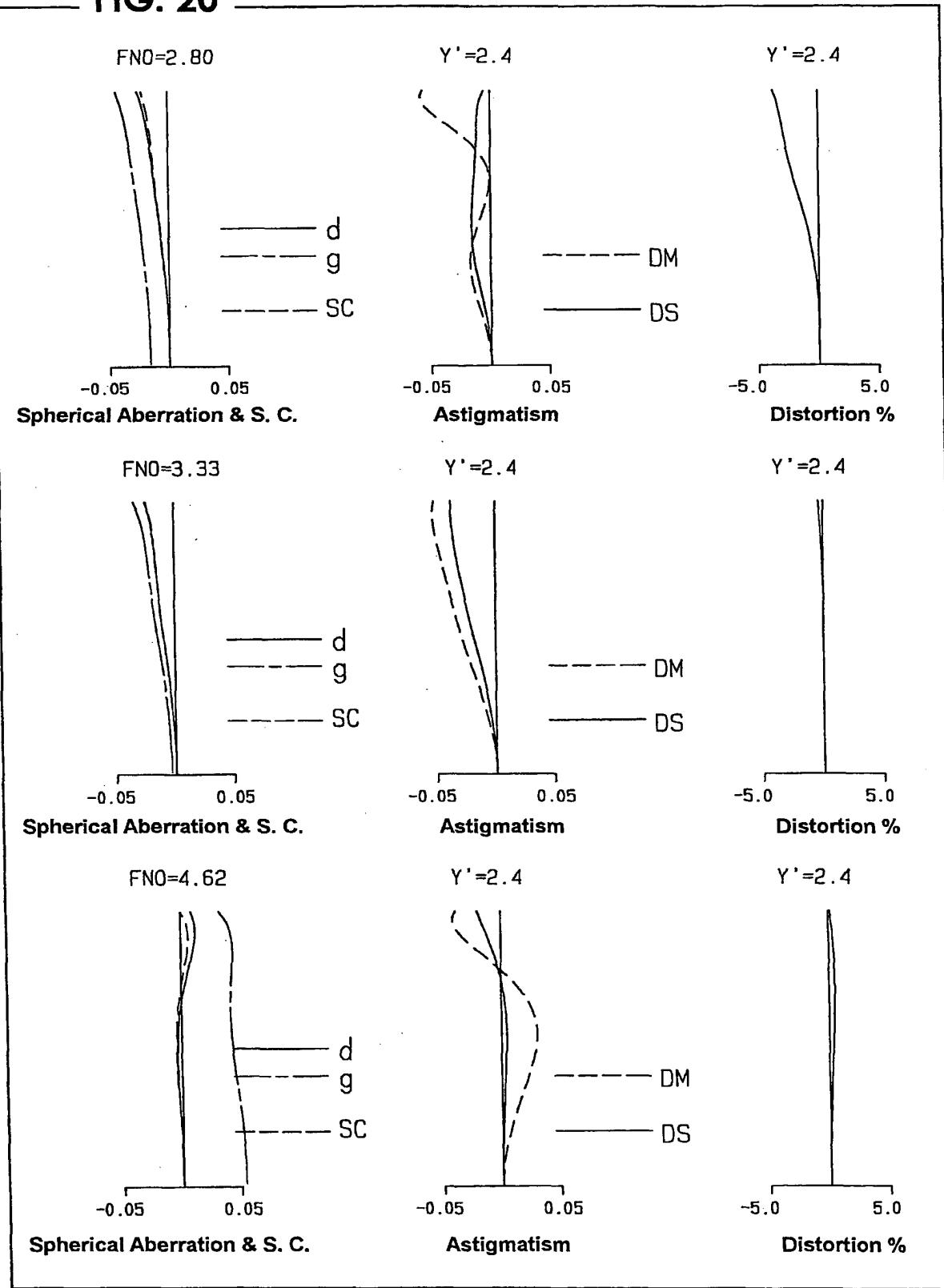
**FIG. 18**

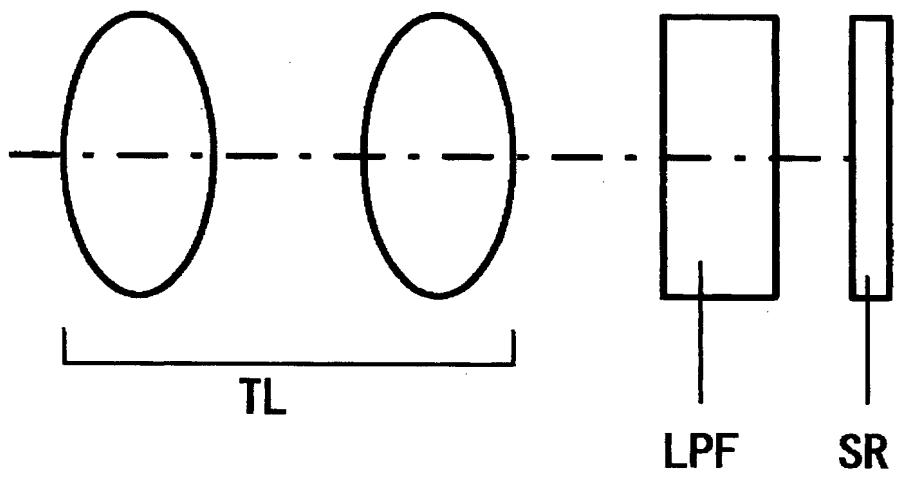


**FIG. 19**



**FIG. 20**





**FIG.21**